



Owner's Manual

TKP-7000

Network Keypad



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Introducing the TKP-7000

Thanks for purchasing URC's TKP-7000 in-wall touch-screen. Its easy, intuitive use will help simplify your life while adding control of more things than you thought possible.

Enjoy some key features like:

Rooms Menu



With the touch of a single button, take control of your domain. Besides the ability to temporarily link the different rooms/areas of your system for music listening, the **Rooms Menu** offers a snapshot of “what’s going on” in every room of your Total Control system. Better yet, tapping on a room will convert your keypad into a controller for THAT room. See how easy it is to keep track of what’s happening in your world... and control it!

Shortcuts Pop-Up



With all of the different options to choose from, the **Shortcut Pop-Up** allows you to save some of the most common devices/activities for easy selection. Keep up to 6 different activities at your fingertips with the **Shortcuts Pop-Up** menu.

Capacitive Touch screen



Navigation just became easier; it's as simple as a “swipe” or “flick”. By incorporating gesture control, every screen can be explored by simple finger swipes while the on-board accelerometer supports flicking.

Time & Weather Module



A simple button press opens the **Time & Weather Module**; a full screen display keeping you “up to date” with today's time, date and weather conditions.

Installing the TKP-7000

The TKP-7000 is wall-mountable and fits easily into a dual-gang opening. Prior to installation, make sure power is available at the preferred location.

Power can be supplied to the TKP-7000 in any of the following ways:

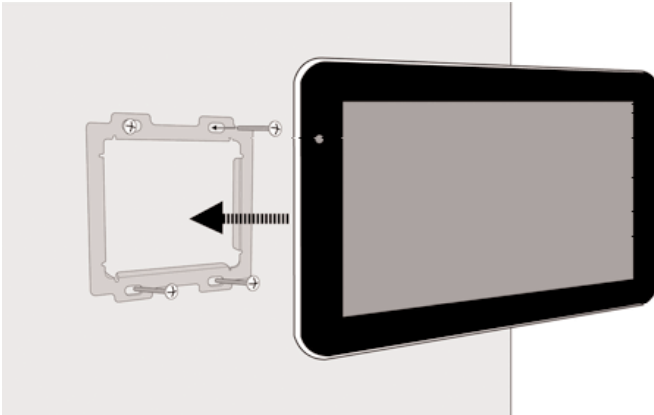
- An Ethernet cable connected to a PoE (power over ethernet) router/switch
- An Ethernet cable connected to a PoE (power over ethernet) injector

Power over Ethernet or PoE technology describes a system to pass electrical power safely, along with data, on Ethernet cabling. The IEEE standard for PoE requires Category 5 cable or higher for high power levels.

Installation

Follow the diagram below for installation:

1. Make sure the dual-gang opening is fitted with a standard two-gang trim box (available from the local electrical supplier/store)
2. Connect the Ethernet cable to the rear of the supplied TKP-7000 wall-plate.
3. Mount the wall-plate to the two-gang retro-box
4. The TKP-7000 easily snaps into place to the wall-plate.



Main Menu Navigation

Although specific screen design and certain options will be dictated by the custom integrator that programmed the Total Control System, the general layout will remain the same. Actual navigation is performed through screen swipes (Up/Down, Left/Right) while selecting any item is as simple as pressing the icon/text to be selected.



Light Sensor

The MAIN menu screen may be programmed any number of ways, however, the general layout will remain the same

Title Bar



The **Title Bar** will be present on all TKP-7000 screens and contains valuable information during normal use. Easily find out the time, weather, now playing information and the room that the keypad is controlling.

Time & Weather

This data, found on the left-hand side of the **Title Bar** will show the current time, date and weather information. Pressing this area of the **Title Bar** will open the **Time & Weather Module**. For more information about this module, refer to the **Time & Weather Module** section, later in this manual.

Current Room

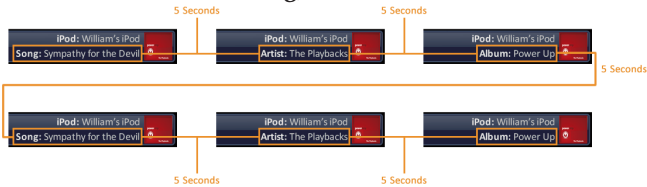
The current room portion of the **Title Bar** shows the room that the TKP-7000 is controlling. Remember, in a Total Control system, although each room's keypad will **default** to control the room in which it is placed, using the **Rooms Menu** will allow it to control any other room in the your system.

Now Playing

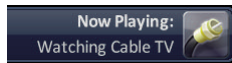
Appearing on the right-hand side of the **Title Bar**, this displays the source that is currently being used in the room that the keypad is controlling.

- The Now Playing display will show the **device** that is being used (in this case, William's iPod), **associated artwork**, and **metadata information** is displayed since it is a URC media device.

The metadata will change, every 5 seconds, rotating between **song**, **artist** and **album**.



- If an activity is being performed (like DVD or Cable) in the selected room, the Now Playing section will display the activity.



If an activity is being performed in the selected room, the Now Playing bar will describe the activity.

Categories/Devices Ribbon

This ribbon will show the various categories of control that are available to the selected room. The quantity of categories is determined by the system setup and can vary from one to however many categories were programmed by the system designer.



Although only seven categories can fit on the screen at any moment, navigate to other categories, if available, by swiping left or right.

Select a **category** by pressing the appropriate icon; this reveals the devices/activities available for that category (submenus).

Device List

Submenus contain the devices/activities that were placed in the chosen category by the system programmer.

Scroll up or **down** through the list by swiping upwards or downwards, select a device/activity by pressing its icon.

Status Bar

The **Status Bar**, located directly above the **Core Buttons**, provides valuable status and feedback of the Total Control system. The four sections of the **Status Bar** are determined by the system programmer, and are customizable per keypad, so it is not possible to explain how your keypad looks; however, after reviewing the following possibilities, there should be no need for further explanation.



Sunrise Time: Updated at midnight every day, this will show the sunrise time for the next day.

Sunrise: 6:45 am

Sunset Time: Updated at midnight every day, this will show the sunset time for the next day.

Sunset: 8:45 pm

URC Thermostat Temperature: If a THZ-100 (URC's thermostat) is included in your home, this will show the current temperature status based upon the internal sensor, additional sensor or the mean temperature of both.

<THZ-100 Name>: 75°

Alarm Clock: If the room being controlled has an Alarm that is set to activate for that room the status bar will display an alarm clock icon and the next scheduled time/day.

Alarm Clock: 9:00am (M)

Surround Mode: When used with URC's DMS-AV Surround Processor this will display the current surround mode of the processor.

Surround Mode: DTS ES Matrix

Room Linked Status: Whenever the chosen room/area is "linked" to other rooms, this will show a link acknowledgment and icon.

Room Linked: [link icon]

Weather Alerts: Based on the current location entered by the system programmer, the words "weather Alert" will appear if an automatic alert is received via internet.

Weather Alert [warning icon]

Vacation Mode: Whenever the Vacation Mode is activated for the Total Control system, the status bar will display "Vacation Mode: ON".

Vacation Mode: ON [vacation icon]

Core Buttons

These key system navigation buttons will always be present at the bottom of the screen.



Vol-, Vol+ & Mute

These audio controls will affect the volume for the room to which the TKP-7000 is assigned. See the **Rooms Menu** section of this manual for more details.

Main

Selecting this button will always return the user to the **Main** screen

Shortcuts

These user-configurable shortcuts allow the end-user to store up to 6 favorite activities. For more information about using shortcuts, refer to the **Using Shortcuts** section of this manual.



Rooms

This selection will open the **Rooms Menu** and allow for monitoring and/or control of other rooms in the project. See the **Rooms Menu** section of this manual for more details.

Power

When pressed, this performs the **Room Off** function programmed by the custom integrator.

If this button is pressed for greater than 3 seconds, the **Power Menu** appears.

In this menu, it is possible to:

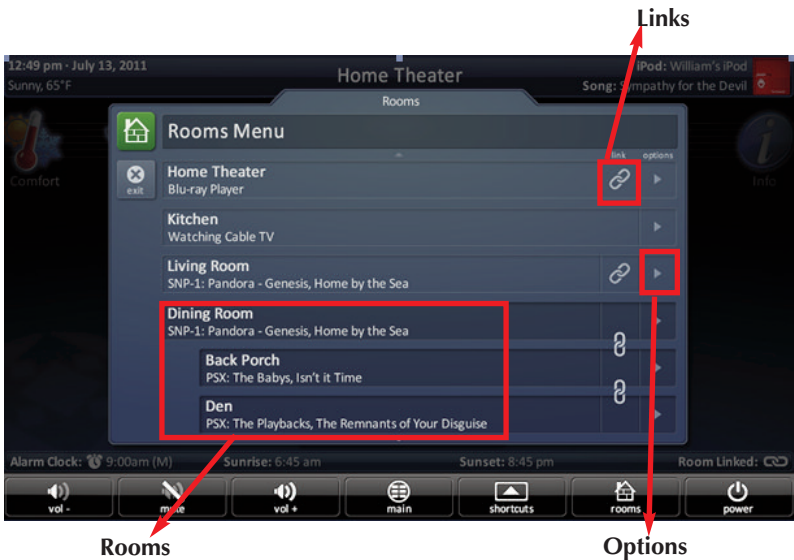
- Turn Off the ROOM (this is the same as tapping the Power button).
- Issue the House Off command, as programmed by the custom integrator.
- Custom commands, programmed by the custom integrator, may also appear in this menu.

Rooms Menu

The **Rooms Menu** is the “landing” screen for a TKP-7000. This menu (see picture below) will be displayed whenever the keypad reboots, loses/regains power or is reset. The most common choice would be to select the room where the TKP-7000 is physically located, however, as we will discover, this is up to the user.

The **Rooms Menu** is used to:

- **Temporarily Link** rooms in a Total Control DMS system. This allows all of the linked rooms to listen to the same audio source and join the volume commands into a single interface.
- **Monitor** the status of other rooms in the Total Control project
- **Control** any other room in a Total Control project as if it were a keypad in that room. This is dependent upon the programming done by the custom integrator.



Room List Buttons

- Each room listing will have an associated box and action buttons.
- The **Exit** button will return the user to the last screen used
- Selecting the room name will allow for control of that room (see Selecting a Room)

Initial View (Room Monitoring)

When the **Rooms Menu** opens up, the room list populates with all of the rooms in the Total Control project. Each room displays its **status** so the user can visually see what is “going on” in that room.



The **Exit** button will return the user to the previous screen.

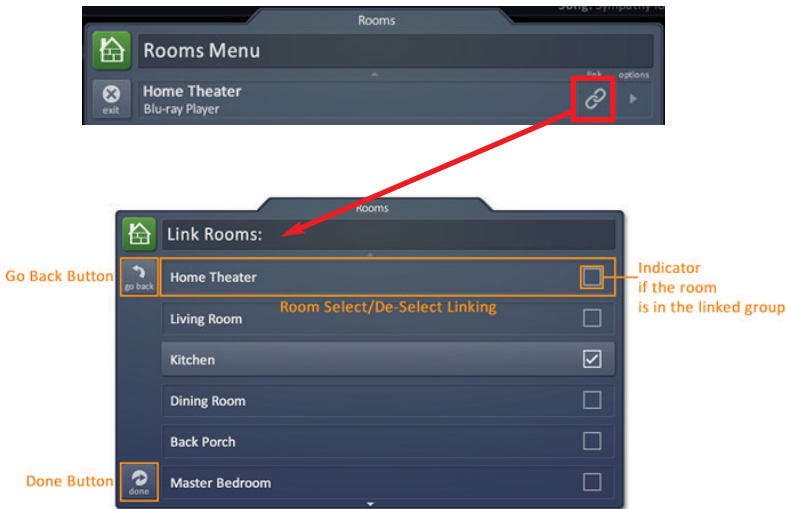
Selecting a Room (Room Control)

Selecting any room from the room list will allow the TKP-7000 to control that room, as if it were physically in that room.

Returning the keypad to control the room where it is physically located requires accessing the **Rooms Menu** and selecting the appropriate room.

Linking Rooms (DMS Audio only)

Selecting the **Link Rooms** button will open up the **Link Rooms** screen with the current room already selected. Only rooms/areas that are part of the DMS family of products will appear.



- Select, using the **check boxes**, the rooms that you would like to LINK. Pressing the check box will alternately “check” and “uncheck” it.
- The **Go Back** button will cause the screen to revert to the **Room Menu** without making any changes.
- The **Done** button will temporarily save the checked rooms as a **linked group** that can be controlled from any of the linked rooms.

Linked rooms are saved until the power is turned OFF, or the user manually de-links the room(s).

Using Linked Rooms

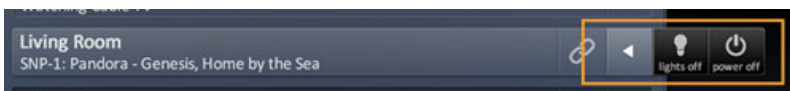
Once a room is linked, pressing the volume or mute buttons for that room will cause the **Linked Rooms Volume Pop-Up** to display



This menu will display the volume levels for all rooms in the temporary group.

- Selecting **All Linked Rooms** results in the volume and mute commands to operate ALL rooms (e.g. Volume Up will cause the volume in all linked rooms to rise simultaneously, and at the same rate).
- Selecting an individual room in the **Linked Room List** allows the volume and mute buttons to adjust sound **ONLY** for the room chosen.

Room Options



Selecting the **Room Options** button for a room will cause the menu to expand and offer the user various options to control the room.

- **Lights Off:** If URC controlled lights are located in the selected room, the Options menu will display a light bulb icon. Selecting this icon will issue a “lights off” command for the chosen room.
- **Power Off:** Selecting the power icon will issue a “room off” command for the selected room. The default for this command is to turn off all audio and video device in that room, however this may have been altered by the system programmer.

Time & Weather Module

This module displays information about the time, date and local weather.



Pressing on the **Time, Date & Weather** display in the **Title Bar** of the TKP-7000 opens the **Time & Weather Module**.

- Selecting **Exit** will return to the previous screen
- Selecting **Night Mode** will place the TKP-7000 into a low light mode to prevent it from overpowering a dark room. This mode will disable any photo slideshow or screen time-out time and remain in this mode until touched again.
- Once touched, the screen will revert to its normal mode of operation, including displaying a photo slide show and turning Off after the amount of time determined in the **Settings Menu**.

Shortcuts Pop-Up

The **Shortcuts Pop-Up** menu is designed to give the user the ability to select their most frequently used devices/activities and place them within an easy to reach menu.



There are a maximum of six (6) shortcuts per room location. Remember, regardless of the physical location of the TKP-7000, it may still access, via the **Rooms menu**, any of the other rooms in the Total Control system (dependent upon programming). Each room can be assigned up to 6 shortcuts in this menu.

Only items that appear in the currently selected room are available to be added to the **Shortcuts Pop-Up**.

Using the Shortcuts Pop-Up

Select the **Shortcuts Pop-Up** by pressing the **Shortcuts** icon in the **Core Menu**.

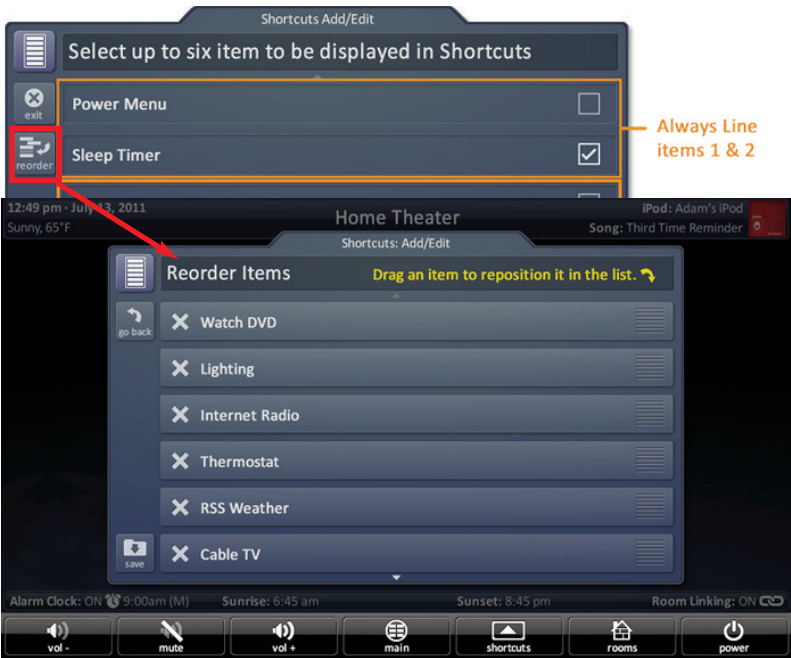
If the screen is not touched, after 60 seconds the **Shortcut Popup** will close and the TKP-7000 will revert to its previous screen.

Selecting a shortcut is the same as navigating to that same icon (within the submenu) and selecting it.

Add devices/activities to this menu by selecting the **Add/Edit** button in the **Shortcut Popup**.

This opens the **Shortcuts Add/Edit** screen, which will allow the user to scroll through all of the devices/activities available to that room.

Select up to 6 devices/activities by selecting the **check box** shown for each possibility. Once all 6 are chosen, the remaining devices/activities will be grayed out to show there are no more choices to be made.



Reorder devices by selecting the reorder icon at the top of the **Add/Edit** window; this opens the reorder Items list.

If you would like to change the order in which the activities/devices appear, drag the items, using the “**grabber**” on the right side of the boxes to rearrange them.

If you would like to remove an item from the list, select the **X** (delete) icon to the left of the device/activity name.

Selecting the **Go Back** option will revert to the **Add/Edit** screen without making any changes

Selecting the **Save** option will make the requested changes and revert back to the **Add/Edit** screen.

Adjusting User Settings on the TKP-7000

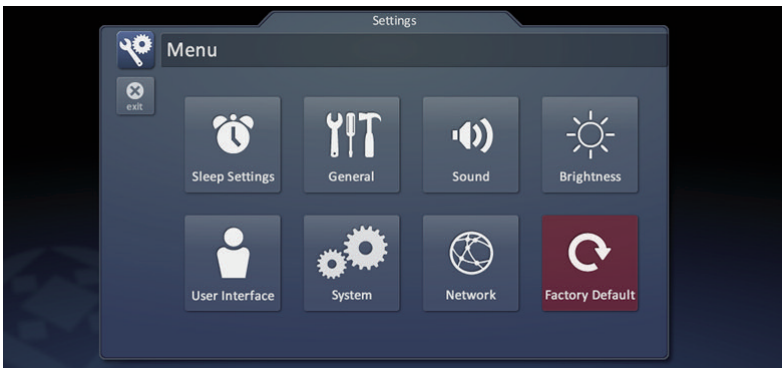
By pressing and holding the **Main** and **Mute** buttons for 5 seconds (found in the **Core Menu**) simultaneously the TKP-7000 **Settings Menu** will appear.



Simultaneously press both the **Main** and **Mute** buttons to activate the **Settings Menu**.

Settings Menu

The **Settings Menu** allows you to adjust some basic parameters of the TKP-7000 keypad.



Select these options by pressing the appropriate icon. If no icon/button is pressed for 45 seconds, the unit will revert back to the **Main** screen.

The **Settings Menu** is broken down into the following categories:

Sleep Settings: Manages how long the LCD remains ON after usage.

General: Contains settings for Time, Date and Temperature Scale

Sound: Allows control of any confirmation beeps, or the ability to disable these tones.

Brightness: Easily adjust the LCD screen's brightness level, and enable/disable the light sensor.

Vibration: Adjust the touch screen's vibration sensitivity.

System: Quickly view the Memory Usage, Firmware Version and other details about the TKP-7000.

Network: View information about the current network as well as set a Dynamic or static IP address for the TKP-7000.

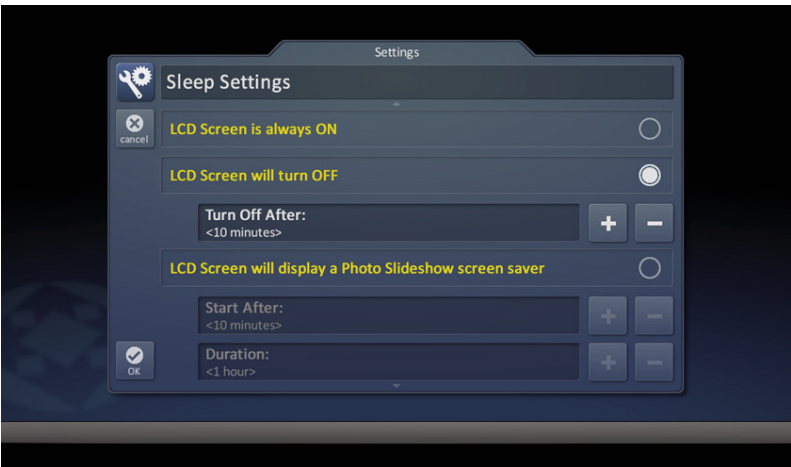
Factory Default: Reset the TKP-7000 to factory settings.

Sleep Settings

Decide upon the option that best fits the current needs.

LCD Screen is always ON: This option keeps the LCD screen illuminated at all times

LCD Screen will turn OFF: This option allows the user to decide on the amount of time that the LCD screen will remain illuminated after it is last used. The + and – buttons will adjust the time frame up or down accordingly.



LCD Screen will display a screen saver

This option will display a screen saver of the photos found on the online website, Picassa. This will start display after the time frame selected in the **Start After** box, and will continue for the amount of time dictated in the **Duration** box.

Selecting **OK** will accept any changes made and return to the **Main** menu, as well as selecting **Cancel** will return the user to the **Main** menu, without incorporating any changes.

General

The **General** settings screen allows for setting the Time, Date and decide on the scale used to display the temperature(Fahrenheit/Celsius). To view the rest of the **General** settings menu, be sure to scroll up/down.

Using the arrow found at the left and right sides of each property (hour, minutes, month, etc.) adjusts the value up, or down, respectively.

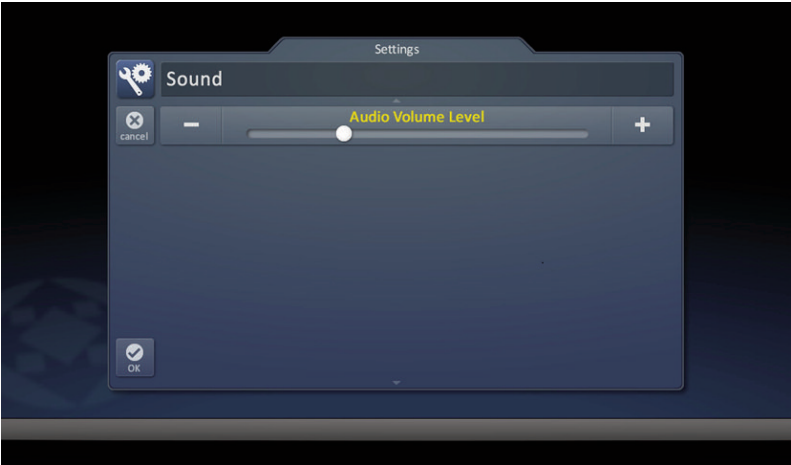


Selecting **OK** will accept any changes made and return to the **Main** menu, as well as selecting **Cancel** will return the user to the **Main** menu, without incorporating any changes.

Sound

By default, the TKP-7000 emits a low volume beep as a confirmation tone for screen presses. Use this menu to adjust the sound to your liking.

Use the + or – buttons to raise or lower the volume of the confirmation beep.

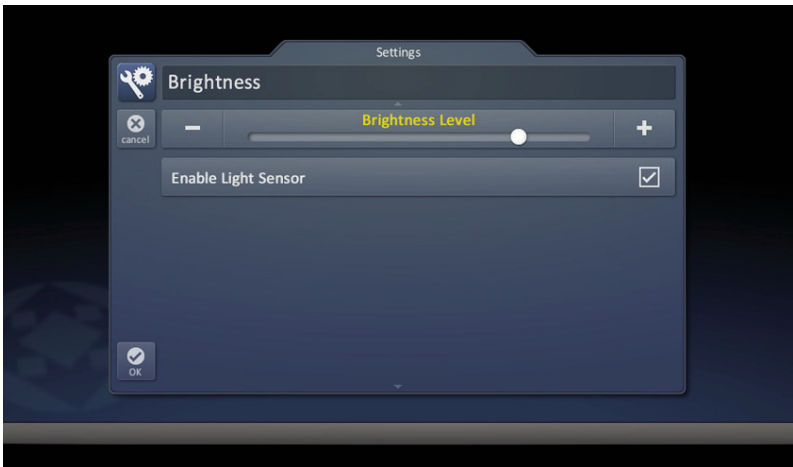


Selecting **OK** will accept any changes made and return to the **Main** menu, as well as selecting **Cancel** will return the user to the **Main** menu, without incorporating any changes.

Brightness

Determine the overall brightness of the TKP-7000's display, or incorporate a **light sensor** that will adjust the brightness of the unit based upon ambient room lighting.

Use the + or – buttons to raise or lower the level of brightness.



Selecting **Enable Light Sensor** disables the **Brightness Level** selection and dynamically adjust the LCD brightness based upon the ambient room lighting detected by the light sensor.

Selecting **OK** will accept any changes made and return to the **Main** menu, as well as selecting **Cancel** will return the user to the **Main** menu, without incorporating any changes.

Vibration

Use this menu to adjust the TKP-7000's touch screen sensitivity level.

Use the + or – buttons to raise or lower the sensitivity level.



Selecting **OK** will accept any changes made and return to the **Main** menu, as well as selecting **Cancel** will return the user to the **Main** menu, without incorporating any changes.

System

Although none of the information can be modified, these **System Pages** will show important information about your TKP-7000. These pages should only be needed by a custom install professional, or technical support.



Network

This option will show important information about the current network, its settings and give the ability to edit the IP address of the TKP-7000.

Be careful, these settings should only be edited by a professional. Entering values without specific information or instruction could easily result in the TKP-7000 failing to function correctly.

The **Network Information** screen will display the **status** of the network connection (connected, not connected) as well as the current **address type** (DHCP or Static), **IP address** and **Subnet Mask**. Selecting the **EDIT** icon reveals a screen that allows for changing of the method for assigning an IP address to the keypad.



- **Obtain an IP address automatically:** this uses the DHCP method of IP addressing
- **Use the following address:** this option requires that the Static address of the keypad, as well as other network information be entered. *This is the recommended method to connect the TKP-7000*

Factory Default

This should only be attempted by a custom install professional that is familiar with Total Control, or under instruction from the manufacturer. Selecting this option will reset the TKP-7000 to factory default and the unit WILL NOT work until reprogrammed!



Rebooting Your TKP-7000

Using the physical RESET button found on the silver keypad bezel (bottom right-hand corner) will power-cycle the unit. This is the first option to try, if the screen freezes or the unit becomes unresponsive.



Specifications

Microprocessor: ARM Cortex-A8 Core

Memory: 256Mbytes of Flash, 256Mbyte of DDR2 SDRAM

Devices: Supports up to 255 Devices

Pages: Supports up to 255 Pages on each Device

Macro Capability: Up to 255 steps

Network: One 10/100 Ethernet port (PoE)

LCD: 7 inch (1024x600)

Weight: 12.37 oz

Size: 7.53" x 5.02" x 0.92"

Power: Standard PoE Injector or PoE Switch (Purchased separately)

Limited Warranty Statement

1. Limited Warranty and Disclaimers

Universal Remote Control, Inc. ("URC") warrants that the URC equipment shall be free from defects in material and workmanship under normal usage for two (2) years from purchase when such is purchased from URC. **This limited warranty is valid only in the United States of America.** URC warrants that the software will substantially conform in any material respect to its functional specifications at the time of delivery. URC SHALL NOT BE LIABLE FOR OPERATIONAL, TECHNICAL OR EDITORIAL ERRORS AND/OR OMISSIONS MADE IN THE URC DOCUMENTATION. URC DOES NOT WARRANT THAT THE URC SOFTWARE IS BUG-FREE OR ERROR FREE OR THAT THERE ARE NO ERRORS/BUGS IN THE URC SOFTWARE.

URC warrants that at the time of purchase the URC equipment and the URC software complied with all applicable regulations and policies of the Federal Communications Commissions ("FCC") regarding electromagnetic interference caused by electronic/computing devices and to the extent that the URC equipment and/or the URC software fails to so comply, URC shall, at its own expense, take all reasonable measures to promptly cause such to comply.

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In the event of any warranty claim, URC will, at its sole option, repair the URC equipment using new or comparable rebuilt parts, or exchange the URC equipment for new or rebuilt equipment. **In the event of a defect, these are the end user's exclusive remedies.**

All the URC equipment returned for service, exchange or repair require an RGA number. To obtain an RGA number, you must complete a Return Request Form which you may obtain by calling (914) 835-4484 or contacting URC at returnrequest@universalremote.com. To obtain warranty service, end user must deliver the URC equipment, freight prepaid, in its original packaging or packaging affording adequate protection to URC at 420 Columbus Avenue, Valhalla, NY 10595. It is the end user's responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into the unit. It is likely that such data, software, or other materials will be lost during service and URC will not be responsible for any such damage or loss. A dated purchase receipt, bill of sale, installation contract or other verifiable proof of purchase is required. For the URC equipment support and other important information, please visit URC's website available at www.universalremote.com or call the Customer Service Center at (914) 835-4484.

This limited warranty only covers the URC equipment issues caused by defects in material or workmanship during ordinary consumer use. It does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, third-party installation, misuse, limitations of technology, or modification of or to any part of the URC equipment. This limited warranty does not cover the URC equipment sold as used, as is, refurbished, so called "B stock" or consumables (such as batteries). This limited warranty is invalid if the factory applied serial number has been altered or removed from the URC equipment. **This limited warranty specifically excludes the URC equipment sold by unauthorized resellers.**

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End User Agreement

The terms and conditions of the End User Agreement available at www.universalremote.com/eua.php shall apply.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- ◆ Reorient or relocate the receiving antenna.
- ◆ Increase the separation between the equipment and receiver.
- ◆ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ◆ Consult the dealer or an experienced radio/TV technician for help.

Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Regulatory Information to the user

■ CE conformity Notice

Products with "CE" marking comply EMC Directive 2004/108/EC, issued by the commission of the European Community.


1) EMC Directive

- Emission : EN 55022
- Immunity : EN 55024
- Power : EN-61000-3-2, 3

■ Declaration of Conformity

"Hereby, Universal Remote Control Inc. declares that this TKP-2000 is in compliance with the Essential requirements and other relevant provisions of EMC Directive 2004/108/EC."



| | |
|---------------------|---|
| Certification | CE |
| Type No.(Model No.) | TKP-7000 |
| Batch/Serial No. | - |
| Power Rating | 48.0V  0.32A |

Declaration of Conformity

Company Name : Universal Remote Control Inc.
Company Address : 500 Mamaroneck Avenue, Harrison, NY 10528, U.S.A
Contact Information : www.universalremote.com
Phone: (914)835-4484 Fax: (914)835-4532
Brand Name : UNIVERSAL remote control
Product Name : Network Keypad
Model Name : TKP-7000

This product herewith complies with the requirements of EMC Directive (2004/108/EC) issued by the Commission of the European Community

Compliance with these directives implies conformity to the following European Community

- EMC Directive
 - EN 55022
 - EN 55024
 - EN 61000-3-2
 - EN 61000-3-3

List of test reports and/or certificate verified compliance with the standards above

- EMC Directive
 - Report No.
 - Testing Laboratory : Gumi College EMC Center

Date of issue : April 30, 2011

Name and signature of authorized person : James Novak
Senior Product Manager
Universal Remote Control Inc.

